

**IN THE SPECIFICATION:**

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~striethrough~~.

Please REPLACE the paragraph beginning at page 6, line 1, with the following paragraph:

The machine is one in which a tool head and a table rotate, and the method has a step of adding an offset of the origin of a table coordinate system to a position instruction in the table coordinate system and obtaining an instruction position in the machine coordinate system; a step of obtaining an instruction position for which the misalignment has been corrected on the basis of an amount of misalignment of the actual axis of rotation provided to the table from a reference position at which there is no mechanical error in the axis of rotation and an instruction position for the axis of rotation; a step of obtaining an ~~attitude~~actual tool length vector of the tool for which misalignment has been corrected on the basis of an amount of misalignment of the actual axis of rotation provided to the tool head from a reference position at which there is no mechanical error in the axis of rotation and the instruction position of the axis of rotation, in addition to a tool vector; and a step of obtaining a machine position on the basis of an instruction position for which the misalignment has been corrected and an ~~attitude~~actual tool length vector of the tool for which the misalignment has been corrected.